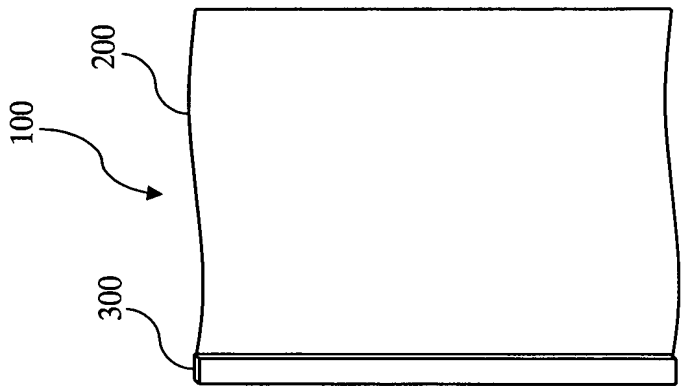


Fig.1

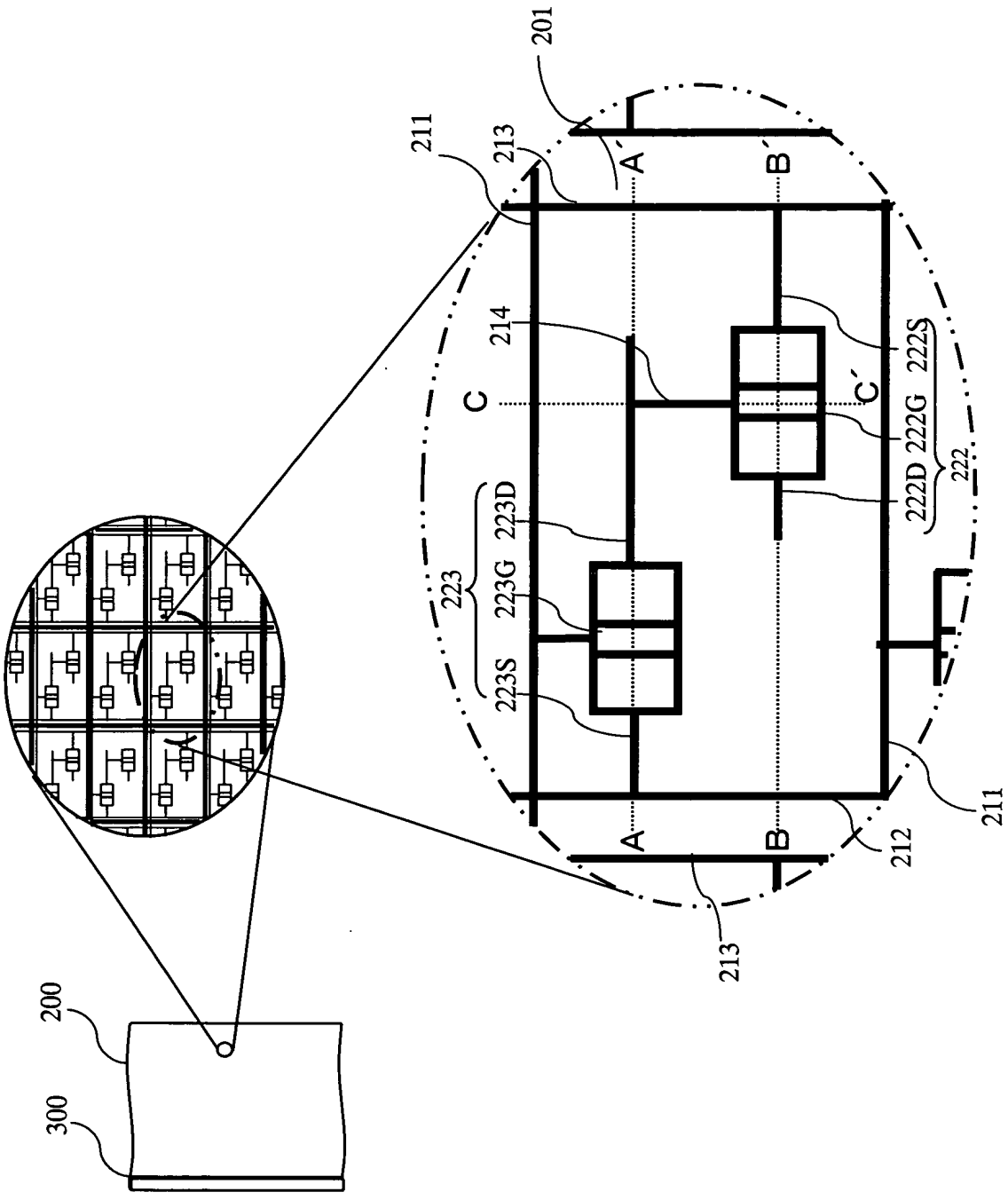

201
211
213
A
B
214
C
C
222S
222G
222D
222
223D
223
223G
223S
A
B
212
211
213
200
300

Fig. 2

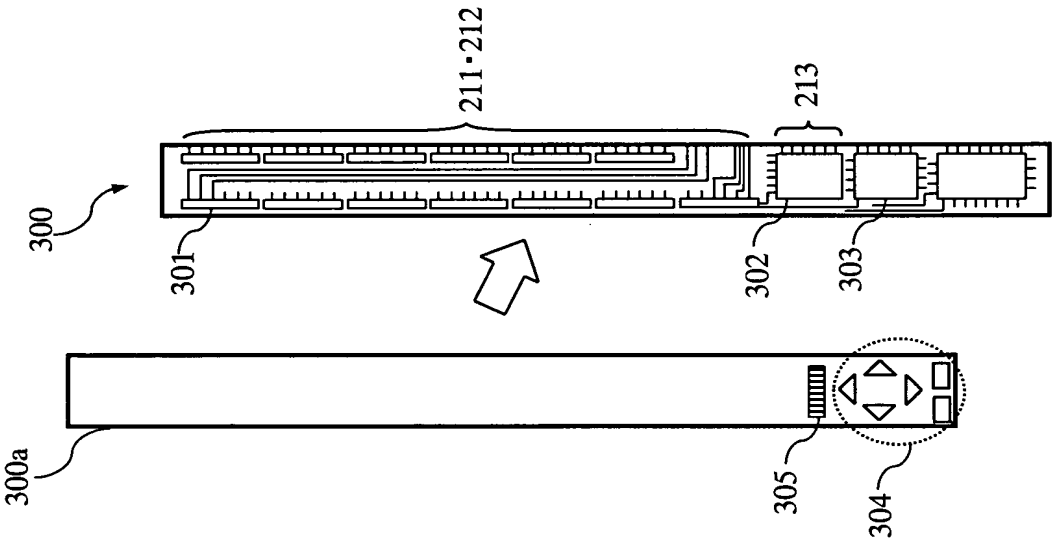


Fig. 3

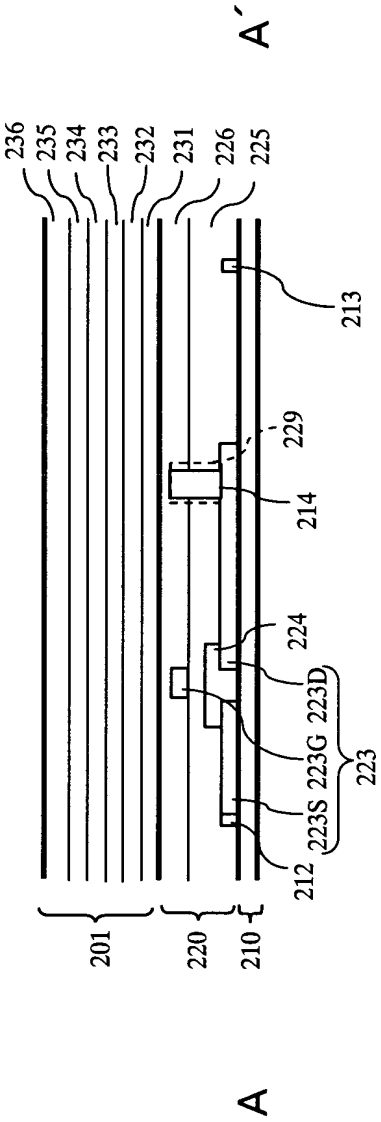

A
A´
236
235
234
233
232
231
226
225
213
229
214
224
223D
223G
223S
223
212
201
220
210

Fig. 4

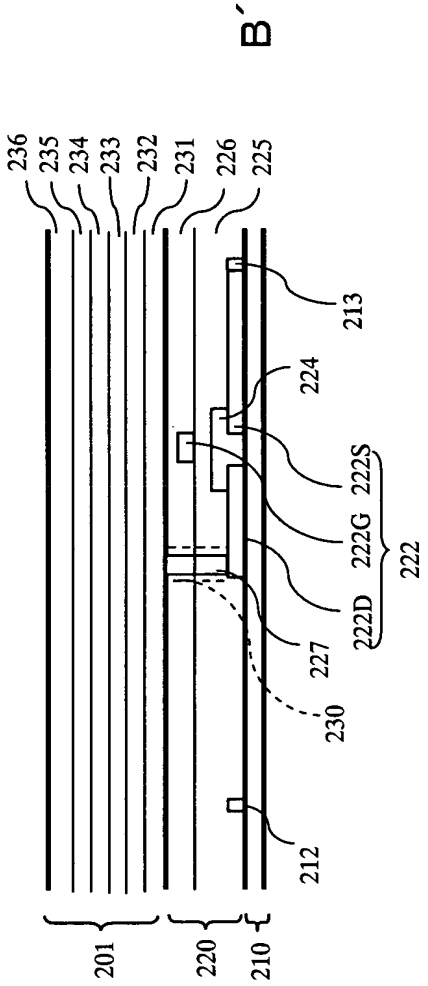

B´
236
235
234
233
232
231
226
225
213
224
222S
222G
222
222D
227
230
212
201
220
210
B

Fig. 5

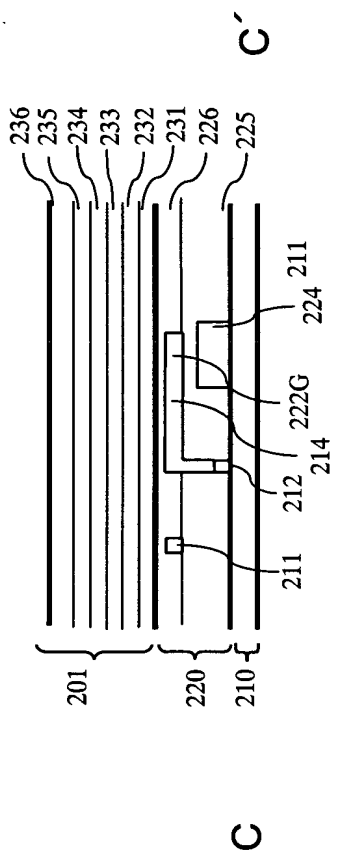

C
C´
201
220
210
236
235
234
233
232
231
226
225
211
224
222G
214
212
211

Fig. 6

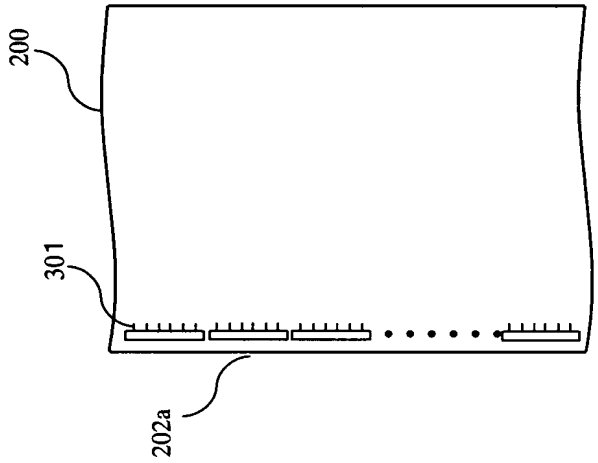


Fig. 7

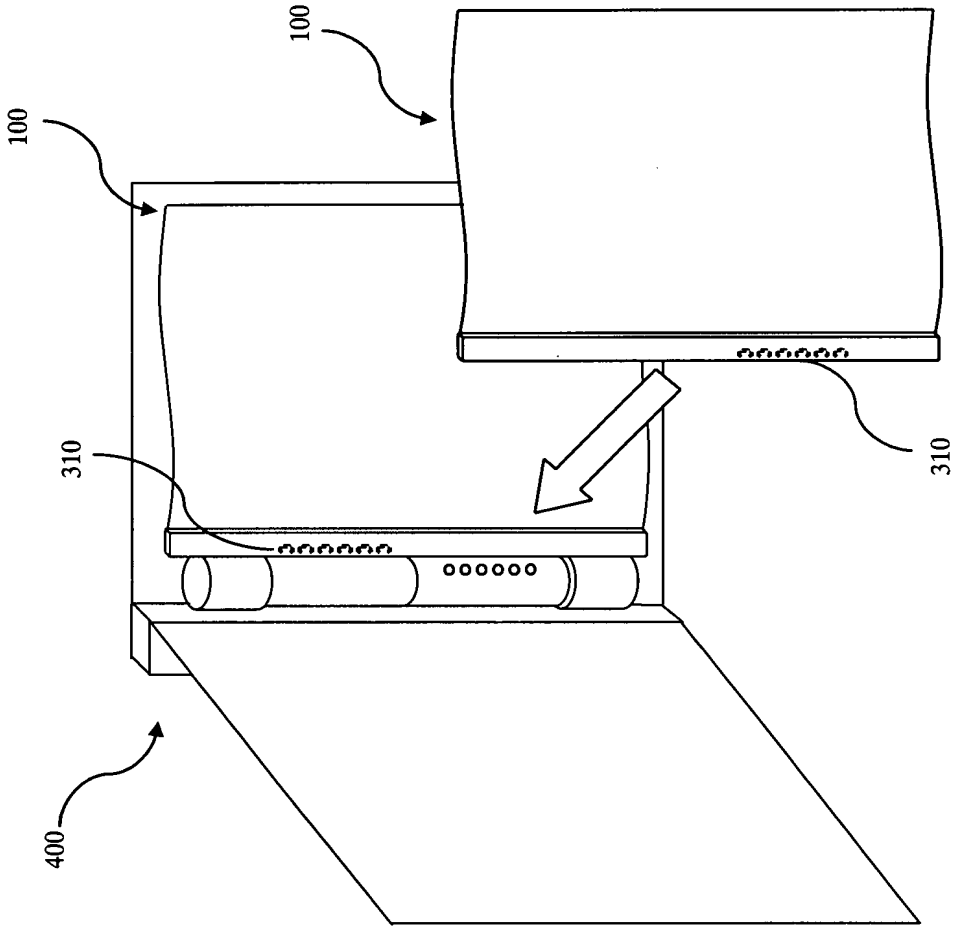


Fig. 8

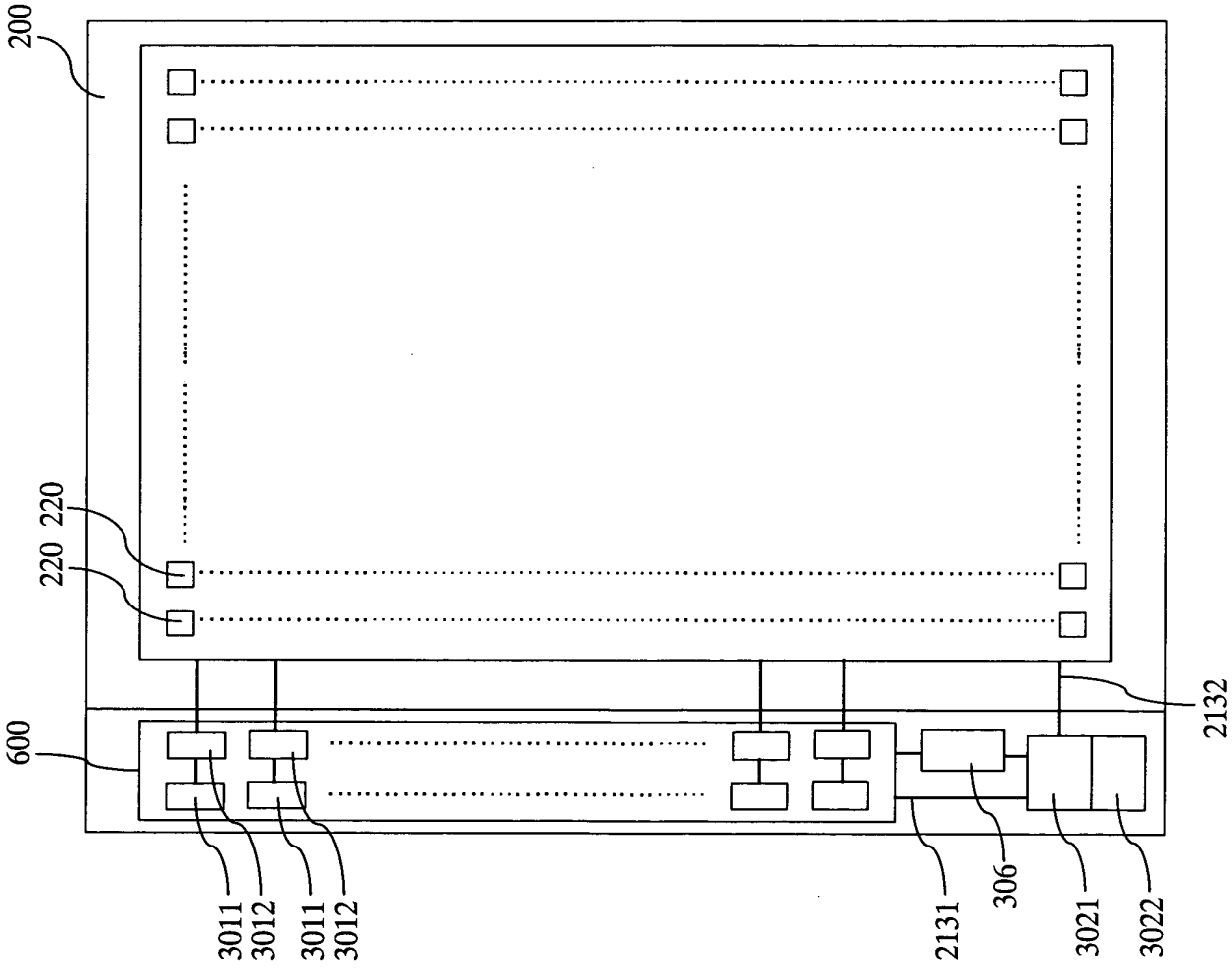


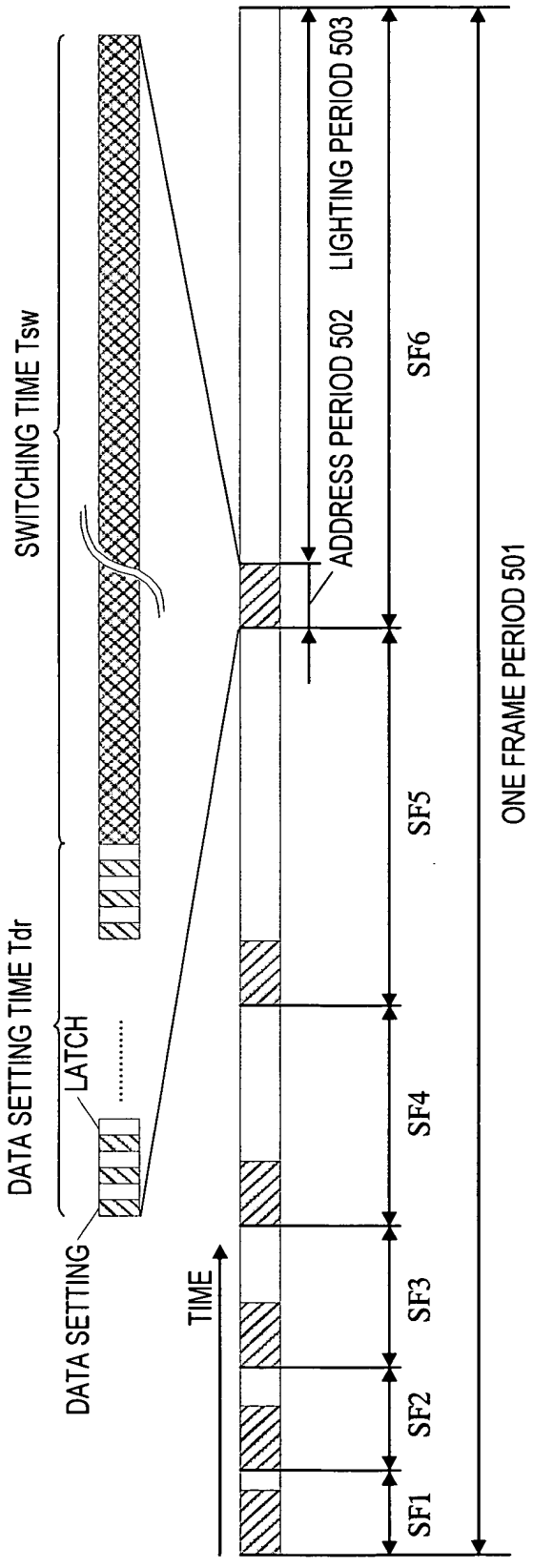
Fig. 9

Fig. 10

NO.	NUMBER OF PIXELS (LINE × LOW)	FRAME RATE	PROCESSING TIME PER ADDRESS	SWITCHING TIME OF SWITCHING UNIT (OPERATING FREQUENCY)	DATA SETTIG TIME IN DATA SETTING UNIT	NUMBER OF SHIFTS (FREQUENCY) OF DATA SETTING UNIT	PROCESSING TIME PER PHASE OF SHIFT REGISTER (OPERATING FREQUENCY)
1	1280 × 576	70 fps	833.3 μs AND MORE	22 μs Typ. (45 kHz Typ.)	811.3 μs OR LESS	1280/16=80	0.0634 μs OR LESS (15.77MHz AND MORE)
2	3840 × 1024	70 fps	833.3 μs AND MORE	22 μs Typ. (45 kHz Typ.)	811.3 μs OR LESS	3840/16=240	0.0211 μs OR LESS (47.4MHz AND MORE)
3	3840 × 1024	50 fps	1.167ms AND MORE	22 μs Typ. (45 kHz Typ.)	1.145ms OR LESS	3840/16=240	0.0298 μs OR LESS (33.56MHz AND MORE)
4	320 × 240	70 fps	833.3 μs AND MORE	22 μs Typ. (45 kHz Typ.)	811.3 μs OR LESS	320/16=20	0.253 μs OR LESS (3.95MHz AND MORE)
5	3840 × 1024	70 fps	833.3 μs AND MORE	10 μs Typ. (100 kHz Typ.)	823.3 μs OR LESS	3840/16=240	0.0643 μs OR LESS (15.55MHz AND MORE)
6	1280 × 576	70 fps	833.3 μs AND MORE	22 μs Typ. (45 kHz Typ.)	811.3 μs OR LESS	1280/32=40	0.0634 μs OR LESS (15.77MHz AND MORE)
7	3840 × 1024	70 fps	833.3 μs AND MORE	22 μs Typ. (45 kHz Typ.)	811.3 μs OR LESS	3840/32=120	0.0211 μs OR LESS (47.4MHz AND MORE)
8	3840 × 1024	50 fps	1.167ms AND MORE	22 μs Typ. (45 kHz Typ.)	1.145ms OR LESS	3840/32=120	0.0298 μs OR LESS (33.56MHz AND MORE)
9	320 × 240	70 fps	833.3 μs AND MORE	22 μs Typ. (45 kHz Typ.)	811.3 μs OR LESS	320/32=10	0.253 μs OR LESS (3.95MHz AND MORE)
10	3840 × 1024	70 fps	833.3 μs AND MORE	10 μs Typ. (100 kHz Typ.)	823.3 μs OR LESS	3840/32=120	0.0643 μs OR LESS (15.55MHz AND MORE)

10/551450

Fig. 11


SWITCHING TIME Tsw
DATA SETTING TIME Tdr
LATCH
DATA SETTING
TIME
ADDRESS PERIOD 502
LIGHTING PERIOD 503
ONE FRAME PERIOD 501
SF1
SF2
SF3
SF4
SF5
SF6

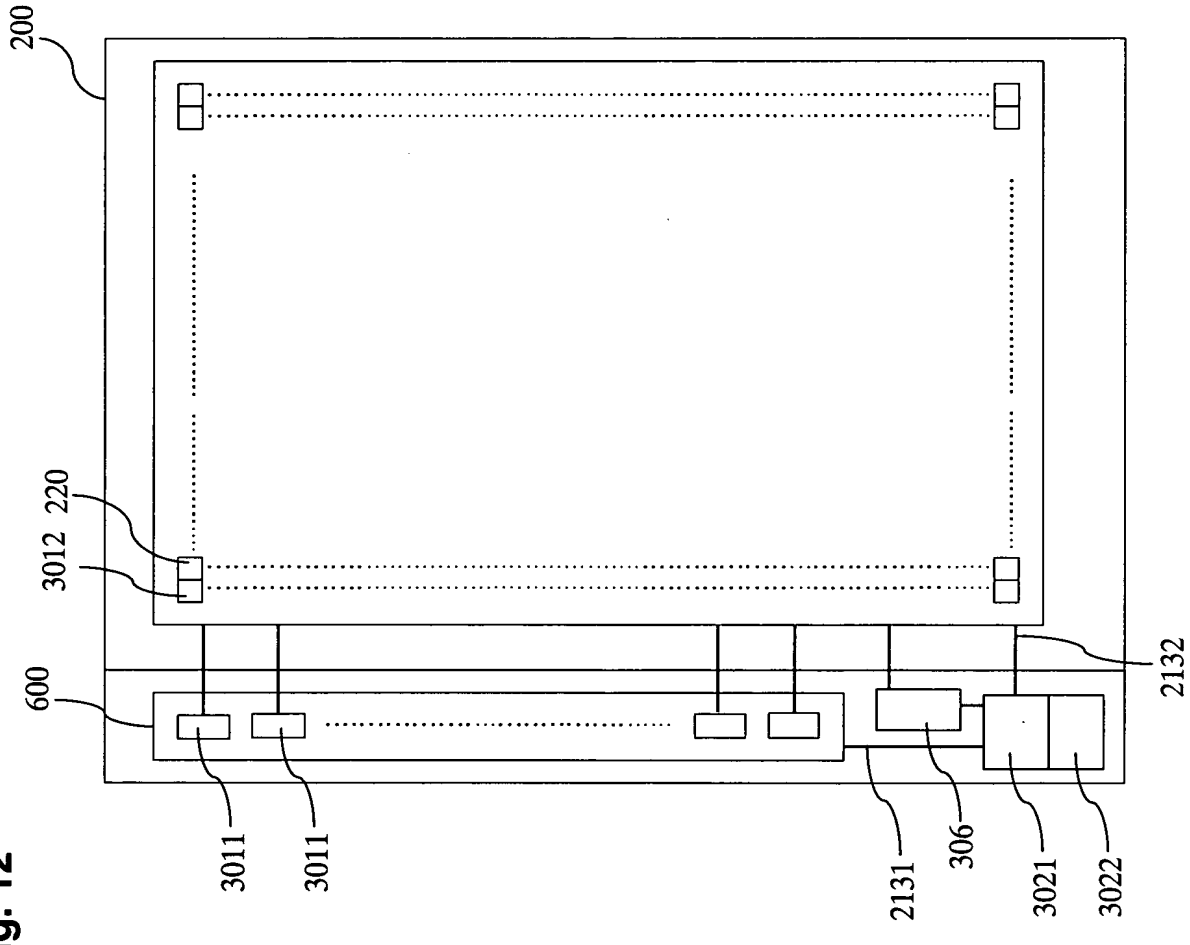


Fig. 12

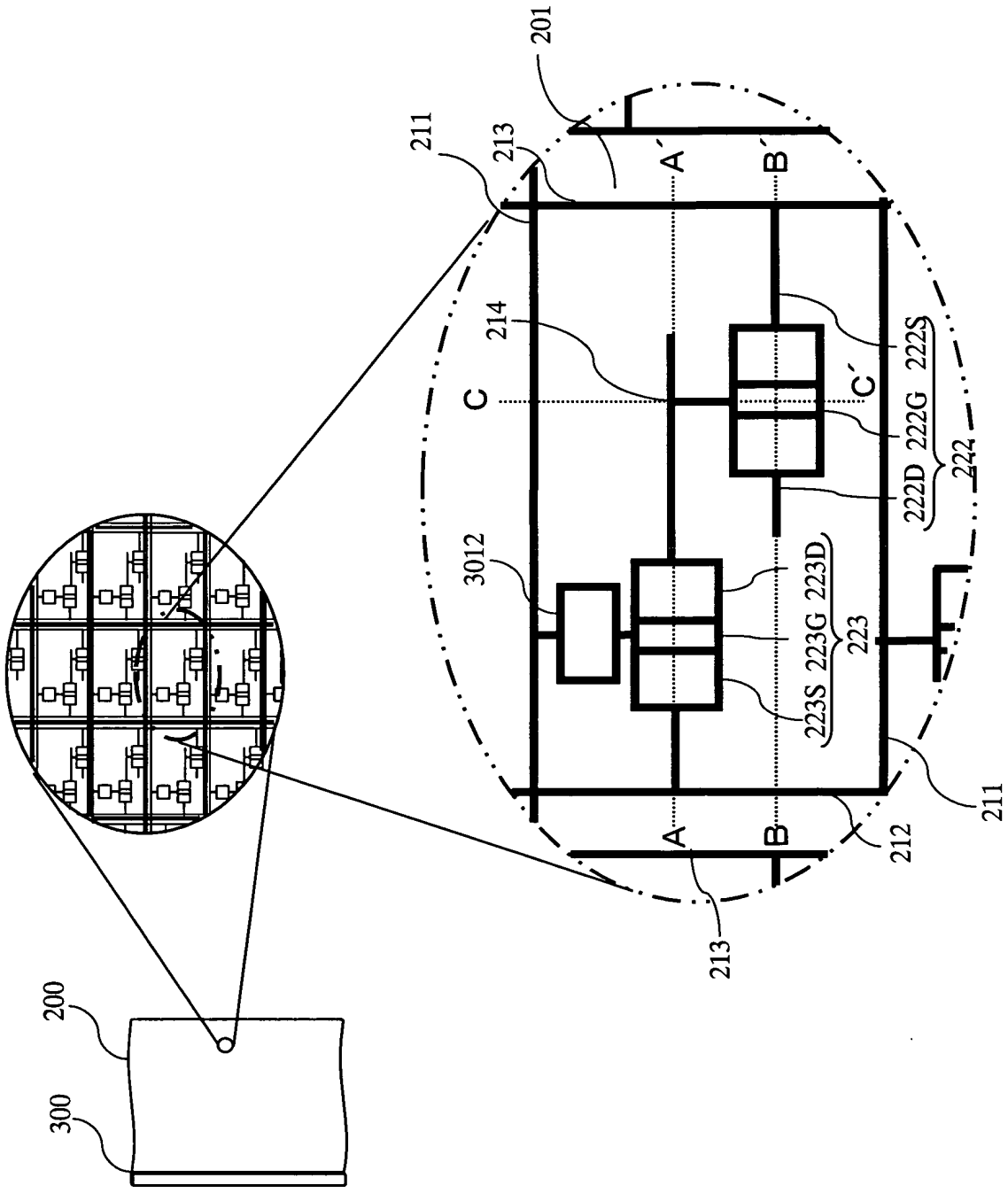
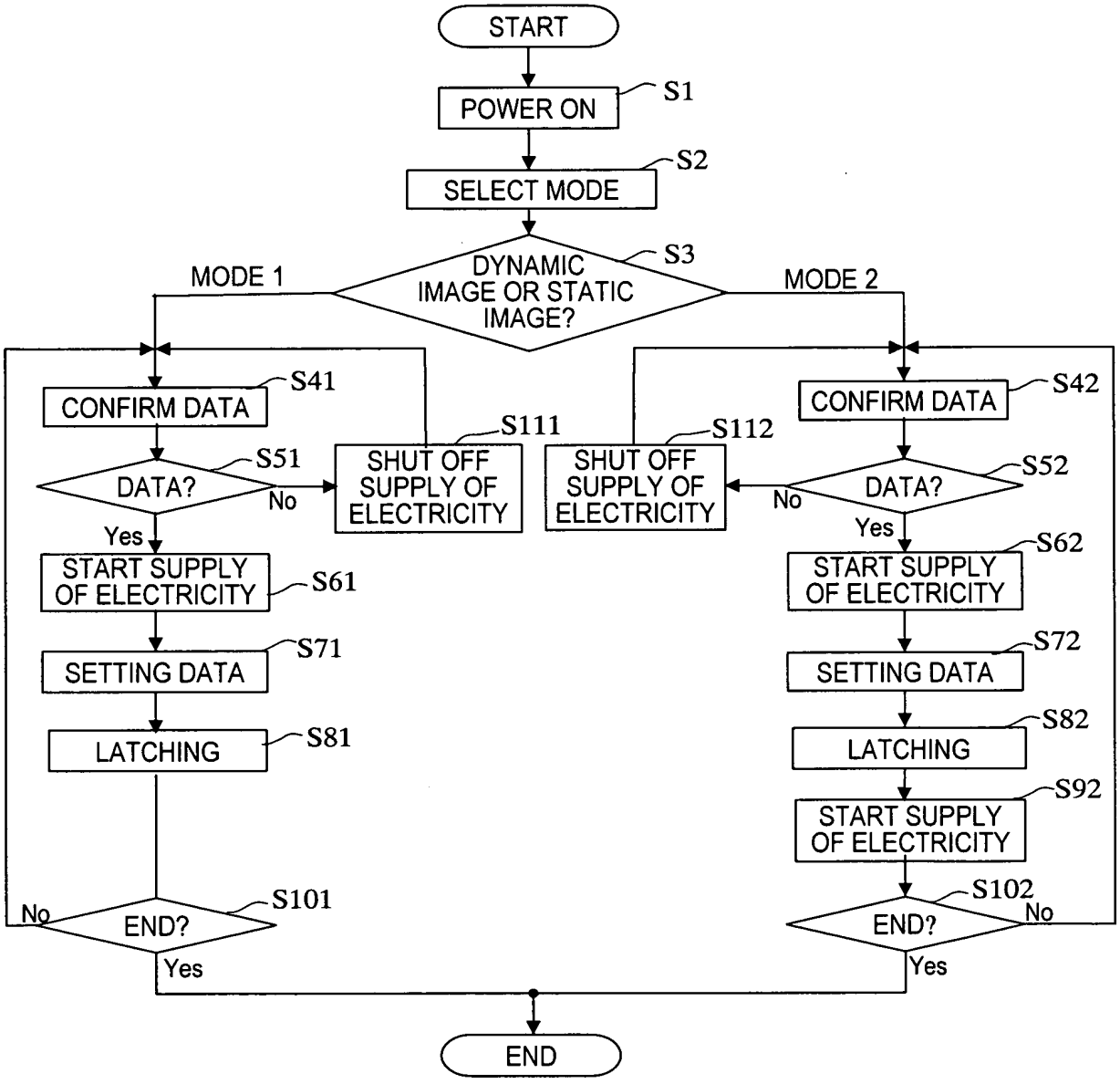

201
211
213
A´
B´
214
C
C´
222S
222G
222D
222
3012
223S
223G
223D
223
A
B
212
211
213
200
300

Fig. 13

Fig.14


START
POWER ON
S1
SELECT MODE
S2
DYNAMIC IMAGE OR STATIC IMAGE?
S3
MODE 1
MODE 2
CONFIRM DATA
S41
DATA?
S51
No
Yes
SHUT OFF SUPPLY OF ELECTRICITY
S111
START SUPPLY OF ELECTRICITY
S61
SETTING DATA
S71
LATCHING
S81
END?
S101
No
Yes
CONFIRM DATA
S42
DATA?
S52
No
Yes
SHUT OFF SUPPLY OF ELECTRICITY
S112
START SUPPLY OF ELECTRICITY
S62
SETTING DATA
S72
LATCHING
S82
START SUPPLY OF ELECTRICITY
S92
END?
S102
No
Yes
END